

kaise

DIGITAL LIGHT METER




Instruction Manual

KG-75

KAISE CORPORATION

2. Specifications

2-1. GENERAL SPECIFICATIONS

- DISPLAY (LCD) :**
 - Numerical Display : Maximum reading 9999, 11mm high
 - Units and Symbols : Lux, Fc, x10, MAX, MIN, HOLD, , 
- SENSOR :** Silicon photodiode and filter
- MEASURING RANGE :** 0 to 99990Lux, 0 to 9999Fc x 10 sign when exceeding 9999Lux
Example : 99990Lux display 9999 and x 10
- RANGE SELECTION :** Auto Ranging
- OVERRANGE INDICATION :** "OL" appears when the upper limit of measuring range is exceeded
- SAMPLING RATE :** 2.5 times/second
- BATTERY WARNING :** "" indication at approx. 6.8V or less
- DISPLAY HOLD :** Hold indicating values by HOLD Key
- AUTO POWER OFF :** Power turns off automatically after approx. 10 minutes (cancelable)
- OPERATING TEMPERATURE & HUMIDITY :** 0°C to 40°C, less than 80%RH in non-condensing
- STORAGE TEMPERATURE & HUMIDITY :** -10°C to 50°C, less than 70%RH in non-condensing
- ALTITUDE :** Up to 2000m
- POWER SUPPLY :** 9V 6F22 x 1
- POWER CONSUMPTION :** Normal : 3mA, With LCD Backlight : 4mA
- OPERATING POWER SUPPLY VOLTAGE :** approx. 6.8V to 9.6V
- CONTINUOUS OPERATING TIME :** approx. 60 hours
- DIMENSIONS :** 192(H) x 67(W) x 44(D)mm
- WEIGHT :** Approx. 198g (include battery)
- ACCESSORIES :** 9V 6F22 Battery x 1(Installed), Instruction Manual
- OPTIONAL ACCESSORIES :** 1026 Carrying Case

2-2. MEASUREMENT SPECIFICATION

(23°C ± 5°C, < 80%RH in non-condensing)

Range	Accuracy	Resolution
0.00 to 19.99Lux	0 to 300Lux : ± 6% ± 3dgt	0.01Lux
20.00 to 199.9Lux		0.1Lux
200 to 9999Lux	301 to 4000Lux : ± 6%	1Lux
1000 x 10 to 9999 x 10Lux	4001 to 99990Lux : ± 10%	10Lux

ANGLED INCIDENT LIGHT CHARACTERISTICS : not specified
TEMPERATURE COEFFICIENT : Accuracy at 23°C ± 5°C x 0.1/°C

3. Safety Precautions

WARNING

- Do not replace the battery with the wet hands. Electric shock may occur.

WARNING

- Keep the instrument away from babies or children.
- Do not attempt to disassemble or modify the instrument.
- Do not heat or disassemble the battery. Do not put the battery into the fire or water.

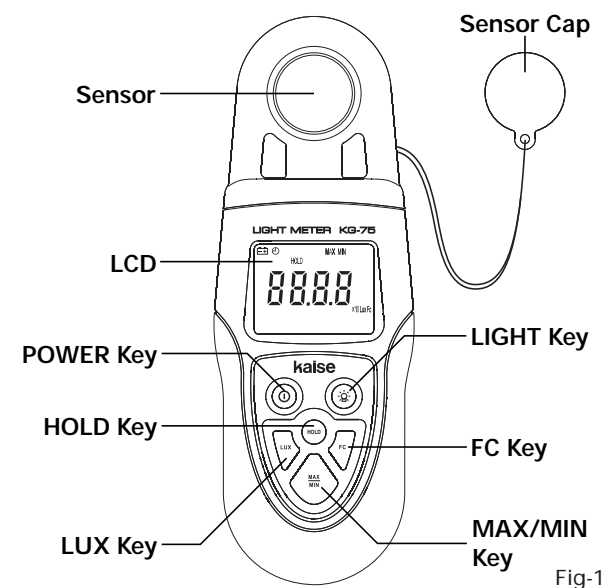
CAUTION

- The shock such as dropping or beating might damage the instrument and may cause the trouble.
- Do not get the instrument wet. Keep dry.
- Do not polish the case with the fluid that contains alcohol to prevent the cracking.
- Remove the battery when the instrument is out of use for a long time. The exhausted battery might leak electrolyte and corrode the inside.
- Do not use any battery that have wrong rated specification.
- Install the battery with the correct polarity as shown in the plus + and minus - indications.
- Dispose the exhausted battery in accordance with the local government rule after applying adhesive tape to both electrodes for insulation.

Cautions for safekeeping

- Do not keep the instrument in the following place.
- The place where has the water splash
 - The place where applies the hard shock
 - 10 or less, 50 or more, 70%RH or more
 - The place where has the condensation
 - The place where is exposed to direct sunlight

4. Name Illustration



4-1. LCD

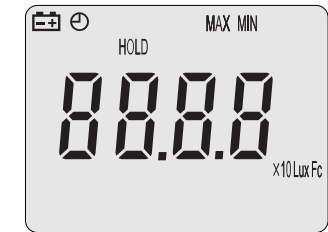




Fig-2

-  : Low battery warning
-  : Auto power off
- MAX : MAX measurement
- MIN : MIN measurement
- HOLD : Display Hold
- x10 : Measurement value exceeds 9999Lux
- Lux : Unit of Lux
- Fc : Unit of Fc (Foot-Candle)

Tear off the Display Film on LCD when using this instrument for the first time.

4-2. POWER Key

Press this key to turn on / turn off.

4-3. LIGHT Key (Backlight LCD)

Press this key to turn on / turn off the LCD backlight.

4-4. HOLD Key (Display Hold)

Press this key to hold displayed value on LCD. ("HOLD" lights up).
 To release it : Press HOLD Key again.

4-5. LUX Key

Press this key to select the unit of Lux. ("Lux" lights up).

4-6. FC Key

Press this key to select the unit of Fc (Foot-Candle). ("Fc" lights up).


Measurement units

- 1Lux : Equal to one lumen per square meter.
- 1Fc : Equal to one lumen per square feet.
- 1Lux 0.09290Fc 1Fc 10.764Lux

4-7. MAX/MIN Key (MAX/MIN)

MAX/MIN measurement is possible by pressing this key.
 Normal Measurement MAX Measurement ("MAX" lights up)
 MIN Measurement ("MIN" lights up) Normal Measurement

For Safety Measurements!!

To prevent an electrical shock hazard to the operator and/or damage to the instruments, read this instruction manual carefully before using the instrument. **WARNINGS** with the symbol  on the instrument and this instruction manual are highly important.



The symbol listed in IEC 61010-1 and ISO 3864 means "Caution" (refer to instruction manual).

WARNING

The symbol in this manual advises the user of an electrical shock hazard that could result in serious injury or even death.

CAUTION

The symbol in this manual advises the user of an electrical shock hazard that could cause injury or material damages.

Introduction

Thank you for purchasing "KG-75 DIGITAL LIGHT METER". To obtain the maximum performance of this instrument, read this Instruction Manual carefully, and take safe measurement.

1. Unpacking And Inspections

Confirm if the following items are contained in the package in good condition. If there is any damage or missing items, ask your local dealer for replacement.

- Digital Light Meter 1 pce.
- 9V 6F22 Battery 1 pce.
- Instruction Manual 1 pce.

